

WHAT IS CLAIMED IS:

1. A digital still camera comprising:

means for converting an optical image into a digital image signal;

receiving means for transmitting an electromagnetic signal to a

5 designated remote device accessible in accordance with a wireless

telephone system;

means for receiving from said remote device an electromagnetic

signal containing an identification signal to be transmitted back in response

to the designation of said remote device;

10 modifying means for modifying the electromagnetic signal into a

digital electronic image signal;

reducing means for reducing the number of pixels of the still image

represented by said digital electronic image signal: and

means for transmitting the electromagnetic signal to the designated

15 remote device.

2. The digital still camera of claim 2, wherein the reducing

means is operative when the receiving means fails to receive the

identification signal transmitted from the remote device, whereby the

modifying means forms a digital image signal without reducing the number of

20 pixels of the still image.

3. The digital still camera of claim 1, wherein the reducing

means further reduces the time of transmitting one frame of the digital image.

4. A digital still camera comprising:

- converting means for converting an optical image into a digital electronic image signal;
- receiving means for receiving an electromagnetic;
- modifying means for modifying the electromagnetic signal into a digital electronic image signal ;
- displaying means for alternatively displaying a still image on the basis of the digital electronic signal from the converting means or from the modifying means; and
- controlling means for controlling said displaying means in a first mode in response to a first type of said electromagnetic signal and in a second mode in response to a second type of said electromagnetic signal.
5. The digital still camera of claim 4, wherein the first type of electromagnetic signal represents a still image having fewer pixels than a still image represented by the second type of electromagnetic signal.
10. 6. The digital still camera of claim 5, wherein the time required to transmit one frame of the still image represented by the first type of electromagnetic signal is shorter than the time required to transmit one frame of the still image represented by the second type of electromagnetic signal.
15. 7. The digital still camera of claim 5, wherein the controlling means includes means for reducing the number of pixels of the still image signal in the second mode.
20. 8. The digital still camera of claim 7, wherein the displaying means comprises fewer pixels than the still image represented by the second type of electromagnetic signal,

9. The digital still camera of claim 8, wherein the displaying means comprises the same number of pixels as the still image represented by the first type of electromagnetic signal,

10. The digital still camera of claim 4, further comprising distinguishing means for distinguishing the first type of electromagnetic signal from the second type of electromagnetic signal, and means responsive to the distinguishing means for switching the controlling means between the first mode and the second mode.

11. A digital still camera comprising:
converting means for converting an optical image into a digital electronic image signal;
modifying means for modifying the electromagnetic signal into a digital electronic image signal in accordance with a wireless telephone system;
reducing means for reducing the number of pixels of the still image;
and
transmitting means for transmitting the electromagnetic signal representing the still image signal of fewer pixels.

12. The digital still camera of claim 11, further comprising storing means for storing the digital electronic signal input from the converting means, the number of pixels of the still image in the storing means being greater than that of the still image signal represented by the electromagnetic signal.

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13. The digital still camera of claim 12, further comprising
extracting means for extracting portions of the digital electronic signal in the
storing means such that the remaining digital image signal has the same
number of pixels as that of the still image signal represented by the
electromagnetic signal.

5 14. The digital still camera of claim 13, wherein the extracting
means includes means for removing the storing means from the digital still
camera.

10 15. The digital still camera of claim 14, wherein the extracting
means further includes means for connecting a card leading to an external
device.

15 16. The digital still camera of claim 11, further comprising
displaying means for displaying a still image on the basis of the digital
electronic signal from the converting means, the number of pixels of the
displaying means being substantially equal to that of the still image signal
represented by the electromagnetic signal.

20 17. The digital still camera of claim 16, further comprising means
for storing the digital electronic signal from the converting means, the number
of pixels of the still image in the storing means being greater than that of the
still image signal represented by the electromagnetic signal.

18. The digital still camera of claim 16, further comprising means
for receiving an electromagnetic signal and second means for modifying the
received electromagnetic signal into a digital electronic signal indicative of a
still image, wherein the displaying means is capable of alternatively

displaying a still image on the basis of the digital electronic signal from the converting means or from the modifying means.

19. The digital still camera of claim 18, wherein the number of pixels of the still image from the modifying means is substantially equal to that of the still image displayed by the displaying means.